

CHELMSFORD
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER of HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR

1949.

SOUTHEND :

W. H. Houldershaw, Ltd., Printers, 49-55, London Road,

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LONDON ROAD,
CHELMSFORD.

11th June, 1950.

To the Chairman and Members of the Chelmsford Rural District Council.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present for your consideration the Annual Report on the health and sanitary circumstances of your District during the year 1949.

The Death Rate for the year per 1,000 population was 10.1 compared with 9.6 for 1948, and the Birth Rate was 17.9 compared with 18.8 for the previous year.

Of the 391 deaths allotted to the District, 185 or nearly half were over 75 years of age, 114 or 29 per cent. over 80, and 16 or 4 per cent. over 90 years of age. The total number of deaths of persons under the age of 45 was 36 or 9 per cent. of the total deaths. Under 1 year of age the total number of deaths was only 11, and with the exception of 2, were due to prematurity or congenital defects.

Heart disease was responsible for 112 deaths or 28 per cent. of the total deaths, Cancer for 62 deaths or 15 per cent., and Intra-Cranial Vascular Lesions 54 or 13 per cent. of the total. These three diseases together, accounted for 228 deaths or more than half of the total.

The number of cases of infectious disease was not above the average. Diphtheria was again absent throughout the year.

To my colleagues I am much indebted for valuable assistance, and to Mr. Denton Ogden for helping in the preparation of this Report.

For the sympathetic consideration of the Council, I wish to express my thanks.

Your obedient servant,
JOHN F. MACDONALD.

STAFF.

Clerk to the Rural District Council : C. R. Plumtree.

Deputy Clerk to the Rural District Council : C. A. Bohannon.

Financial Officer to the Rural District Council : M. W. Butcher.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health : John F. Maedonald, M.D., D.P.H.
(also Medical Officer of Health for the Rural District of Maldon).

Clerk to Medical Officer of Health : W. D. Hall.

CHIEF SANITARY INSPECTOR'S DEPARTMENT.

Chief Sanitary Inspector and Petroleum Inspector :*

A. Denton Ogden, M.B.E., F.R.San.I., F.S.I.A.

Sanitary Inspectors :—*

T. H. C. Bartrop, M.R.San.I., M.S.I.A.,

L. W. Eekersley, M.R.San.I., M.S.I.A.

†P. E. Kinton, M.R.San.I., M.S.I.A.

Clerks : F. B. Brewster.

R. H. Hawkes.

*Qualified Inspectors of Meat and other Foods, Royal Sanitary Institute.

ENGINEER'S DEPARTMENT.

Engineer and Surveyor : W. E. Bunker, M.Inst., M. & CyE.
M.R.San.I.

Deputy Engineer and Surveyor : P. Dendy, A.M.I.Mun.E.,
M.R.S.I., A.M.Inst.H.E.

Assistant Engineer and Surveyor : D. C. Pinder.

HOUSING ESTATES DEPARTMENT.

Estates Surveyor : E. Ollett.

†P. E. Kinton resigned in December 1949 and the vacancy was filled by the appointment of L. G. Smart, M.R.San.I., M.S.I.A., A.M.I.S.E. who commenced his duties on 1st April, 1950.

CHELMSFORD RURAL DISTRICT

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres) 86,590 (land and inland waters).

Population (estimated, June
1949) 38,540

Population (estimated, June
1949 under 15 yrs.) ... 8,231

Population, 1931 (census) 27,836 (13,628 males ; 14,208
females).

Number of families or
separate occupiers (1931) 7,441

Number of houses including
Hutments 31st December,
1949 11,200

The rateable value of the district for the half-year commencing—
1st April, 1949, was £205,242
1st April, 1950, was £209,994

The sum represented by a penny rate, year ended
31st March, 1949 £825 3 0
31st March, 1950 £840 18 9

Social Conditions.

The chief occupation in the District is still agriculture. The male working population in this and associated occupations at the 1921 census was 45 per cent. of the total male working population, and in 1931, 35 per cent. This latter figure is still a substantial proportion of the male working population. A number residing in the parishes adjacent to the Borough of Chelmsford are employed in industrial works in the borough.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

		Total	Male	Female	
Live Births	{ Legitimate ...	651	319	332	Birth-rate (R.G.) 17·9
	{ Illegitimate ...	39	25	14	
Still Births	{ Legitimate ...	8	3	5	Rate per 1,000 births
	{ Illegitimate ...	—	—	—	
Deaths	... ..	...	...		Death-rate (R.G.) 10·1

Deaths from puerperal causes :—

From Puerperal and post-abortive sepsis	...	...	Nil.
Other Maternal causes	...	...	Nil.

Number of deaths of infants under 1 year of age :—

Males, 1 (illg. 1) Females 3.

Death-rate of infants under 1 year of age :—

All infants per 1,000 live births	...	...	16
Legitimate infants per 1,000 legitimate live births	...	...	15
Illegitimate infants per 1,000 illegitimate live births	...	...	—

Deaths from Cancer (all ages)	...	...	62
Deaths from Measles (all ages)	...	...	Nil.
Deaths from Whooping Cough (all ages)	...	...	Nil.
Deaths from Diarrhoea (under 2 years of age)	...	...	1

Comparative Table of Birth and Death Rates During the Year, 1949.

	Rate per 1,000 Resident Population		Deaths under One Year per 1,000 regis- tered Live Births
	Live Births	Deaths from all causes	
England and Wales	16.7	11.7	32
126 County Boroughs and Great Towns, including London ...	18.7	12.5	37
148 Smaller Towns with resident population of from 25,000 to 50,000 at 1931 Census... ..	18.0	11.6	30
Chelmsford Rural District ...	17.9	10.1	16

The deaths classified according to age were as follows :—

				Number of Deaths			
				Ocurring in district	Of non- residents occurring in district	Of residents occurring outside district	Allotted to district
Under 1 year				4	1	8	11
1 and under 2				—	—	3	3
2 " " 5				1	—	—	1
5 " " 15				—	—	1	1
15 " " 25				7	5	5	7
25 " " 35				10	8	4	6
35 " " 45				10	7	4	7
45 " " 55				12	5	15	22
55 " " 65				43	19	26	50
65 " " 75				93	38	43	98
75 and over				163	50	72	185
Totals				343	133	181	191

The following table classifies the deaths according to cause and sex—

Cause of Death	Males	Females	Total
Typhoid and Paratyphoid Fevers	—	—	—
Measles	—	—	—
Searlet Fever	—	—	—
Whooping Cough	—	—	—
Diphtheria	—	—	—
Influenza	1	6	7
Ae. Poliomyelitis & Polioencephalitis	—	—	—
Aeute Inf. Enecephalitis	1	—	1
Cerebro Spinal Fever	—	—	—
Tuberculosis of respiratory system	10	4	14
Other tuberculosis	—	—	—
Syphilitic Diseases... ..	—	1	1
Caneer	25	37	62
Diabetes	1	1	2
Intra-eranian vaseular lesions ...	24	30	54
Heart disease	59	53	112
Other eirculatory diseases	9	9	18
Bronehitis	11	7	18
Pneumonia (all forms)	8	11	19
Other respiratory diseases	2	1	3
Uleer of stomach and duodenum	3	—	3
Diarrhoea (under 2 years) ...	—	1	1
Appendieitis	—	1	1
Other digestive diseases	4	2	6
Nephritis	2	3	5
Puerperal and post Abortive Sepsis	—	—	—
Other Maternal Causes	—	—	—
Malformation, etc.	4	2	6
Premature Birth	3	2	5
Suicide	2	1	3
Road traffic accidents	5	1	6
Other violent causes	3	3	6
All other causes	20	18	38
TOTALS ...	197	194	391

Natural increase of population, namely, the excess in the number of live births over the number of deaths since 1939 is shown in the following tabular statement.

Year	Number of Births	Deaths	Increase
1939	497	357	140
1940	518	419	99
1941	478	416	62
1942	600	372	228
1943	584	387	197
1944	670	427	243
1945	586	358	228
1946	693	396	297
1947	770	428	342
1948	726	371	355
1949	690	391	299

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

The Rural District Council consists of 49 elected members and meets monthly. There are several Committees dealing with Public Health matters, which meet on the 2nd and 3rd Tuesday of each month. The Committees' reports are presented at the following Council Meeting—4th Tuesday in each month. The Minutes of the Council are printed and distributed to members.

LIST OF COMMITTEES.

General Purposes and Staffing.

Finance.

Buildings and Planning.

Public Health.

Housing.

Building Licensing.

Building Contracts.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Fuel and Lighting Advisory.

Catering.

Community Centres.

Council and Staff Joint.

The Council is represented on the :—

Chelmsford Joint Sewerage Committee.

South-East Essex Superannuation Joint Committee.

Road Safety Joint Committee.

Traffic Committee

East Central-Essex Area Planning Committee.

Chelmsford and District Tuberculosis After Care Association.

Chelmsford and District Youth Committee.

Essex County Branch Rural District Councils' Association.

Divisional Education Committee.

Joint Advisory Committee on Rural Housing.

Mid-Essex Area Sub-Committee.

Old People's Committee.

Chelmsford Hospital House Committee.

Boreham Airfield Community Centre Committee.

Essex Boroughs and District Councils' Associations.

Eastern Regional Committee (National Housing and Town Planning Council).

Midwives. None is subsidised by the District Council. There were 13 midwives and 1 district nurse practising in the district at the end of 1949. In addition two midwives were in private practice.

Laboratory Facilities.

These services are provided by the County Council and at St. John's Hospital, Chelmsford.

Hospitals.

These are now administered by Hospital Boards.

Maternity and Child Welfare is administered by the County Council.

Registered Nursing Homes. These are administered by the Essex County Council. There are three in the district.

Diabetic Treatment. This is now provided under the National Health Service Act, 1946.

Civic Restaurants. During the war, the District Council inaugurated two British Restaurants—one in Great Baddow and one in Writtle. The Great Baddow one for the time being is in use as a civic restaurant. During the year, 53, 475 main meals and 73,408 school meals were served.

Ambulance Facilities. These are provided by the County Council.

Mortuaries. There is a mortuary for infectious cases at the Isolation Hospital, Great Baddow. A modern mortuary is available at St. John's Hospital, Chelmsford, also at Chelmsford General Hospital, Chelmsford.

Clinics and Treatment Centres. These are provided by the Essex County Council as given in the following tabular statement:—

MATERNITY AND CHILD WELFARE CENTRES

Centre	Address	Sessions (Monthly)
Great Baddow ...	Parish Hall	2nd & 4th Thursdays, 2 p.m.
Galleywood ...	Keene Memorial Hall ...	3rd Tuesday, 2 p.m.— 4 p.m.
Boreham ...	Village Hall	2nd Tuesday, 2 p.m.
Boreham Aero- drome ...	Hut 16, Site 2.	3rd Monday, 2 p.m. & 4th Monday, 2.30 p.m.
Broomfield ...	Church Room	1st Thursday, 2 p.m. & 3rd Thursday, No Doctor.
Chignal Smealey	Congregational Church Room	3rd Friday, & 4th Monday, 2.30 p.m. (as from 25.4.49).
Danbury ...	Village Hall	1st & 3rd Thursdays, 2 p.m.
Good Easter ...	Village Hall	Last Thursday, 2.30 p.m. 2 p.m.—4 p.m.
East Hanningfield	Women's Institute Hall ...	1st Tuesday, 2 p.m.
South Hanning field ...	Women's Institute Hall Downham	1st Friday, 2 p.m.
Ingatestone ...	Working Men's Club ...	2nd & 4th Fridays, 2 p.m.
Great Leighs ...	Village Hall	2nd Tuesday, 2.30 p.m. Child Welfare Centre (September, 1949).
Rettendon ...	Village Hall	3rd Wednesday, 2 p.m.
Roxwell ...	Village Hall, Boyton Cross Militia Camp	2nd Thursday, 2.30 p.m.
Springfield ...	Baptist Chapel	Thursday p.m. (Weigh- ing Centre).
Stock	Congregational Schoolroom	3rd Thursday, 2 p.m.
Great Waltham...	Village Hall	3rd Tuesday, 2 p.m. (Weighing Centre 18.1.49 Child Wel- fare Centre Sept. 1949).
Little Waltham...	Chapel Schoolroom ...	1st Tuesday, 2 p.m.
Woodham Ferrers	Congregational Schoolroom	2nd Monday, 2 p.m.
South Woodham	Village Hall	4th Monday, 2—4 p.m.
Writtle	Village Hall	4th Tuesday, 2.30 p.m.
Highwood ...	Iron Room... ..	3rd Wednesday, 2.30 p.m.

ANTE-NATAL CLINIC.

Chelmsford and Essex Hospital, London Road, Chelmsford, Tuesdays,
2.30 p.m.

Rettendon, Village Hall, 1st Wednesday, 10 a.m.

Women's Welfare Clinic, Coval Lane Clinic, Chelmsford, 2nd and 4th Thurs-
days, 10 a.m.

Borcham Aerodrome, Hut 16, Site 2, (Midwives Clinic), no Doctor, 4th
Tuesday, 2 p.m.

Coval Lane Ante-Natal Clinic, Wednesdays, 2—4 p.m.

TUBERCULOSIS DISPENSARY.

Address :

Essex County Council Hospital,
Broomfield, Chelmsford.

Hours of Session :

Mondays and Wednesdays,
10—12 noon.

VENEREAL DISEASES.

Treatment is available at the Chelmsford and Essex Hospital, London
Road, Chelmsford, and at Essex County Hospital, Colechester.

MINOR AILMENT CLINIC.

Coval Lane, Chelmsford, Monday and Friday mornings.

***OPHTHALMIC CLINIC.**

Coval Lane, Chelmsford; 5, Market Road, Chelmsford.

DENTAL CLINIC.

5, Market Road, Chelmsford; Coval Lane, Chelmsford.

***CHILD GUIDANCE CLINIC.**

"Highfields," London Road, Chelmsford.

***SPEECH CLINIC.**

5, Market Road, Chelmsford.

* Children can be seen by appointment on application to the Divisional
School Medical Officer, Coval Lane, Chelmsford.

PREVALENCE AND CONTROL OVER INFECTIOUS DISEASES

Infectious Diseases Generally

There were 503 cases of infectious diseases (exclusive of
Tuberculosis) notified during the year as compared with 623
for the previous year.

Apart from cases of measles and whooping cough, there
were 74 cases of infectious diseases notified compared with
27 in the previous year. Further details of the incidence of
notifiable infectious diseases classified according to age and
locality is given in the tables on pages 15 and 17.

A number of persons who may have been in contact with
smallpox came into the District but fortunately no case occurred
during the year.

TABLE SHOWING LOCAL DISTRIBUTION OF CASES
NOTIFIED DURING THE YEAR.

PARISH	Dysipelas	Food Poisoning	Infective Hepatitis	Jaundice	Measles	Meningitis	Pneumonia	Poliomylcelitis	Puerperal Pyrexia	Scarlet Fever	Whooping Cough	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Great Baddow	6	—	1	—	54	—	5	—	—	5	4	7	2	84
Little Baddow	—	—	—	—	4	—	2	—	—	—	—	—	—	6
Boreham	—	—	—	—	9	1	—	—	—	1	2	—	1	16
Broomfield	—	—	—	—	8	—	—	—	—	—	2	—	—	10
Chignall	—	—	—	—	2	—	—	—	—	—	—	3	—	2
Danbury	—	—	—	—	26	—	—	—	—	1	—	—	—	30
Good Easter	—	—	—	—	3	—	—	—	—	—	—	—	—	3
East Hanningfield	—	—	—	—	3	—	—	—	—	2	16	1	1	6
South Hanningfield	—	—	1	—	28	—	3	—	—	—	—	—	—	49
West Hanningfield	—	—	—	—	3	—	—	2	—	—	—	—	—	5
Ingatstone & Fryerning	1	—	—	2	63	—	—	1	—	1	4	2	1	75
Great Leighs	—	—	—	—	—	—	—	—	—	1	—	1	—	2
Little Leighs	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Margaretting	—	—	—	—	23	—	—	—	—	—	7	—	—	30
Mashbury	—	—	—	—	1	—	—	—	—	—	—	—	—	1
Mountnassing	—	—	—	—	1	—	—	—	—	—	—	—	—	1
Pleshey	—	—	—	—	8	—	—	—	—	—	—	1	—	9
Rettendon	1	—	—	—	8	—	1	1	—	1	3	3	—	18
Roxwell	—	—	—	—	11	—	—	1	—	1	3	—	—	16
Runwell	—	—	2	—	24	—	2	2	—	—	2	4	—	36
Sandon	—	—	—	—	—	—	1	—	—	—	2	—	—	3
Springfield	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Stock	—	—	—	—	12	—	1	—	—	2	1	1	—	17
Great Waltham	—	—	—	—	16	—	—	—	—	—	—	—	—	16
Little Waltham	—	—	—	—	26	—	—	—	—	3	—	—	—	29
Woodham Ferrers	2	4	2	—	3	—	2	—	—	3	—	1	—	17
Writtle	—	—	—	—	46	1	1	—	1	1	1	2	—	53
TOTALS ...	10	4	6	2	382	2	20	7	1	22	47	26	6	535

The immunisation of children against diphtheria is undertaken by the County Council.

It is satisfactory to note that no case of Diphtheria occurred during the year.

TUBERCULOSIS.

The following table gives particulars of new cases of Tuberculosis and deaths during the year.

Age Periods	*New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	—	—	1	1	—	—	—	—
5—10 ...	—	—	2	—	—	—	—	—
10—15 ...	—	1	—	—	—	—	—	—
15—20 ...	—	3	—	—	—	—	—	—
20—25 ...	—	2	—	—	1	2	—	—
25—35 ...	1	2	—	1	—	—	—	—
35—45 ...	3	3	—	—	—	—	—	—
45—55 ...	3	—	1	—	3	—	—	—
55—65 ...	3	1	—	—	4	2	—	—
65 & over ...	2	2	—	—	2	—	—	—
TOTALS ...	12	14	4	2	10	4	—	—

*Not including cases of tuberculosis removed into the District during the year, which had been previously notified elsewhere.

NOTIFIABLE DISEASES DURING THE YEAR.

Notifiable Disease	Total Cases Notified	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Cases admitted and to Hospital
Erysipelas	10	—	—	—	—	—	—	—	—	—	4	3	3	4
Food Poisoning	4	—	—	—	1	—	—	—	—	—	3	—	—	4
Infective Hepatitis...	6	—	—	—	1	—	2	1	—	1	—	—	1	—
Jaundice	2	—	—	—	—	—	—	—	—	—	2	—	—	—
Measles	382	9	33	41	33	46	187	20	3	6	2	1	1	5
Meningitis	2	—	—	—	—	—	—	—	1	1	—	—	—	2
Pneumonia	20	—	—	1	—	—	1	2	1	1	1	3	10	5
Polionmyelitis	7	—	—	1	—	2	—	—	1	3	—	—	—	7
Puerperal Pyrexia ...	1	—	—	—	—	—	—	—	—	1	—	—	—	1
Scarlet Fever	22	—	—	1	2	—	15	1	1	—	1	1	—	11
Whooping Cough ...	47	5	4	5	7	7	17	1	—	1	—	—	—	2
TOTALS	503	14	37	49	44	55	222	25	7	14	13	8	15	41

WATER SUPPLY.

By the end of 1949, a piped water supply under pressure was available throughout the District for 92.5 per cent. of the houses and 86.5 per cent. supplied from the mains (4 per cent. from communal standpipes).

There are 7.5 per cent. of the houses in the District where a piped main water supply is not available. Details, classified according to parish, are given in the table on page 20.

When the present main extensions, now in progress, are completed, no less than, 94.8 per cent. of the total dwellings in the district, will have a main water supply available. For a large rural district, this is a high and satisfactory percentage.

The following table includes living huts on Government Airfields and Sites. The table does not include any new houses which may be occupied or in the course of erection but are not yet in the Valuation List.

The large number (455) of communal standpipes is due to the number of hutments.

During the summer of 1949, a few householders complained of the discolouration of the piped water supply and of brown vegetable growth found in house cisterns. This matter was referred to the Water Company who made the following observations :—

“ We have investigated this matter, in some detail, and our chemist examined a number of samples of the discoloured water which was submitted to us by the Council’s Surveyor. In every case the discolouration was due to a high content of iron, and, although we agree that this is most undesirable, it would not have rendered the water unsafe from a public health point of view. We would also stress that the water delivered by us into the Council’s mains is quite bright, and, indeed, practically free from iron. The difficulty arises where this water remains in contact with the Council’s mains for abnormally long periods, a circumstance which is almost unavoidable in a rural supply system.

During this standing period, particularly at night, the pipe metal is attacked and iron passes into solution. The effect is prone to occur in summer when water temperatures are higher

and is believed to have been more noticeable during 1949 because the drought conditions necessitated the use of a greater proportion of the softer Abberton Water.

It will be appreciated that these problems are of considerable complexity, but we would assure you that, on our side, everything possible is being done to overcome them. We are this year (1950), instituting some experiments aimed at relieving the difficulty and shall be glad to have your further reports as to conditions this summer."

In a further communication, to the Council's Water Engineer, the Company states :—

"We have been making certain experiments at the Layer Works with regard to the increasing of the pH value, during the summer months, of the Abberton water by the use of lime which it is hoped will get over the troubles you encountered last summer."

Parish	Number of Houses and Hutments					
	Total	With Water Laid on	With Communal Standpipe	With Meter Supply		
				Domestic	Domestic and Trade	Trade
Great Baddow SPA	1,526	1,481	4	21	15	42
„ „ OSPA	393	303	7	5	22	34
Little Baddow ...	302	240	—	12	8	7
Boreham ...	450	263	80	5	17	28
Broomfield ...	553	489	—	5	35	17
Chignall ...	128	68	14	1	3	6
Danbury ...	785	672	38	13	25	27
Good Easter ...	124	91	—	—	6	3
East Hanningfield ...	123	88	—	1	20	23
South Hanningfield...	430	353	6	7	12	10
West Hanningfield...	204	113	—	13	14	11
Ingatestone ...	750	622	12	31	27	47
Great & Little Leighs	412	170	110	3	18	7
Margaretting ...	206	142	12	5	20	30
Mashbury ...	42	18	—	—	2	—
Mountnessing ...	282	192	—	—	—	—
Pleshey ...	105	46	—	1	12	1
Rettendon ...	317	279	2	5	29	40
Roxwell ...	314	142	51	2	18	7
Runwell ...	376	329	11	2	6	12
Sandon ...	253	209	—	5	15	19
Springfield ...	149	102	2	2	4	9
Stock ...	364	240	4	5	37	27
Great Waltham ...	540	325	14	4	17	20
Little Waltham ...	371	233	50	4	20	20
Woodham Ferrers ...	661	558	20	7	38	40
Writtle SPA ...	816	700	—	2	22	46
Writtle OSPA ...	224	121	18	—	18	17
TOTALS ...	11,200	8,589	455	164	480	550

Alteration of parish boundaries: 63 Houses transferred from Great Waltham [21 to Pleshey and 42 to Little Waltham].

In South Hanningfield 72 houses supplied from Council's mains, remaining from Southend Water Works Company's mains.

Hutments included in the previous totals are :—

Boreham (Boreham Aerodrome)	80
Chignall (Bedells Cross)	3
Great Leighs (Boreham Aerodrome)	106
Roxwell (Roxwell Labour Camp)	11
(Boyton Cross Military Camp)	33
Little Waltham (Boreham Aerodrome)	50
Danbury (Giberacks Militia Camp)	28

During the year ending 31st March, 1950, water was supplied throughout the District, as shewn in the following table. The quantity is expressed in thousand gallons.

Area	South Essex Waterworks Company	Southend Waterworks Company	Total
Great Baddow District	61,792	—	61,792
Danbury District	113,313	—	113,313
Ingatestone, Margaretting, Writtle and West Hanningfield	61,270	—	61,270
Northern Area	95,232	—	95,232
Stock District	7,308	—	7,308
Mountnessing	—	6,085	6,085
South Hanningfield	—	8,995	8,995
Woodham Ferrers	—	148	148
	338,915	15,228	354,143

From the above tabular statement it will be seen that of the water supplied by the Council, 95% was purchased from the South Essex Waterworks Company.

Properties Connected to the Water Mains during 1949.

	Existing Premises	New Houses	New Council Houses	Other Premises	Trade Supplies	Existing Premi- ses where meters have been in- serted for gar- den purposes	Domestic and Trade Supplies
Gt. Baddow ...	14	12	52	5	10	11	5
Little Baddow	2	2	—	—	1	2	—
Boreham ...	12	3	7	—	3	1	1
Broomfield ...	2	1	—	—	3	5	—
Chignall ...	—	—	—	1	—	1	—
Danbury ...	4	3	2	1	—	4	2
Good Easter ...	2	—	—	—	1	—	1
East Hanningfield	—	—	—	—	3	—	—
Sth. Hanningfield	2	—	—	—	1	—	—
West Hanningfield	2	—	—	—	1	—	1
Ingatestone & Fryerning	3	1	—	—	8	8	—
Great and Little Leighs ...	14	1	—	—	3	—	3
Margaretting ...	—	—	—	—	5	1	—
Mashbury ...	1	—	—	—	—	—	—
Mountnessing	—	—	—	—	—	—	—
Pleshey ...	3	—	5	—	—	1	—
Rettendon ...	—	1	—	—	6	4	1
Roxwell ...	15	—	4	—	2	—	1
Runwell ...	2	2	2	—	3	1	—
Sandon ...	—	—	—	1	—	—	—
Springfield ...	—	—	—	1	1	1	—
Stock ...	2	—	—	—	4	1	1
Great Waltham	18	—	—	—	1	—	3
Little Waltham	2	—	8	—	2	—	2
Woodham Ferrers	—	3	—	1	9	5	—
Writtle ...	6	1	—	2	3	3	2
Totals	106	30	80	12	70	49	23

During the year ending 31st March, 1950, the following water main extensions were carried out.

				<i>Length of main in yards</i>	<i>Diameter of main in inches</i>
Great Baddow	...	West Hanningfield Road	...	232	4
"	"	Brook Lane, Galleywood	...	1,958	4
"	"	Lower Green, Galleywood	...	838	4
"	"	Common Area, Galleywood	...	860	3
Broomfield	...	Mill Lane	...	1,880	4
Danbury	...	Runsell Lane	...	53	3
Pleshey	...	Grange Road	...	627	3
Roxwell	...	Boyton Cross	...	411	3
"	"	Newney Green	...	2,229	3
Little Waltham	...	Alsteads Farm	...	659	3
Writtle	...	Roxwell Road	...	2,182	4
"	...	Lordship Lane	...	443	4
"	...	Lawford Lane	...	235	3

These extensions provided a piped water supply to 117 properties.

Main extensions to supply housing estates were carried out.

Great Baddow	...	Brook Lane, Galleywood	...	123	3
"	"	Maltings Estate	...	286	3
Ingatestone	...			280	3
Pleshey	...			92	3
Little Waltham	...			166	3

In addition 184 yards of 3 inch main in the Main Road in Ingatestone was renewed. Total extensions and renewals amounted to 13,738 yards.

The District Council has certain statutory rights by which water can be procured from the mains of the Chelmsford Corporation (Chelmsford Corporation Water Act, 1923), Southend Waterworks Company (Southend Waterworks Act, 1924) and the South Essex Waterworks Company (South Essex Waterworks Act, 1928).

**PARTICULARS OF BURST WATER MAINS AND
SERVICES REPAIRED DURING 1949.**

<i>Parish</i>	<i>Burst Mains</i>	<i>Burst Services</i>
Great Baddow	12	22
Little Baddow	1	9
Boreham	2	1
Broomfield	1	5
Chignall	—	—
Danbury	7	16
Good Easter	—	1
East Hanningfield	14	6
South Hanningfield	6	1
West Hanningfield	12	4
Ingatestone and Fryerning	4	10
Great and Little Leighs ...	1	2
Margaretting	1	1
Mashbury	—	2
Mountnessing	—	—
Pleshey	—	—
Rettendon	18	12
Roxwell	3	3
Runwell	12	6
Sandon	10	9
Springfield	1	—
Stock	3	1
Great Waltham	2	—
Little Waltham	—	7
Woodham Ferrers	8	22
Writtle	6	10
Totals	124	150

SOUTH ESSEX WATERWORKS COMPANY

RECENT ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham	Layer-de-la-Haye
Appearance	Clear and bright	Clear and bright
Colour A.P.H.A.	4	7
Turbidity, silica scale	0.1	Nil
Odour	Very slight chlorinous	Nil
Taste	Nil	Nil
Electric Conductivity 20°C.	800	530
Total solids 180°C.	534	353
Reaction P.H.	7.5	7.7
"Free Chlorine"	0.35	0.25
Chlorides as Cl.	101	40
Total Oxidised Nitrogen	1.1	1.2
Nitrites as N	Nil	Nil
Hardness, Permanent	99	120
" Temporary	205	132
" Total	304	252
Free Ammonia	0.22	0.14
Albuminoid Ammonia	0.08	0.15
Oxygen absorbed 4hrs. 27°C.	0.34	0.91
Metals	Nil	Nil
Colony Count per m.l. on Agar 1 day at 37°C.	1	4
Ditto 3 days at 20°C.	1 (3 days)	15 (4 days)
Presumptive coli a count per 100 ml.	0	0
Bact. Coli a count per 100 mls.	0	0
Cl. Welchii Present in		100 ml.
Absent in	100 ml.	10 ml.

The water leaving the two works is examined daily (except Sunday) bacteriologically and in every instance the Bact. Coli is absent in 100 ml. The Laboratory at Langham deals with over 3,000 chemical, bacteriological, and biological examinations per year.

The difference of hardness between the water at Langham and Layer-de-la-Haye is rather striking, and the reduction of hardness at the latter station is mainly attributable to the prolonged storage in the Abberton Reservoir; its contents when completely filled are 5,700 million gallons. Approximately 8 million gallons are pumped daily from the Layer works, and 10 million gallons daily from the works at Langham.

(These observations were supplied by the Company).

Copy of a Recent Analysis From The Southend Waterworks Company's Mains.

	Chemical Results in parts per Million
Appearance	... Bright
Turbidity (Silia Seale)	... Less than 5
Colour	... Normal (less than 10)
Odour	... Nil
Reaction pH	... 8.1
Free Carbon Dioxide	... Trace
Electric Conductivity at 20°C.	... 575
Total Solids, dried at 180°C.	... 385
Chlorine in Chlorides	... 48
Alkalinity as in Calcium Carbonate	13
Hardness : Total	... 145
Permanent	... 132 Non-Carbonate
Temporary	... 13 Carbonate
Nitrogen in Nitrates	... 8.0
Nitrogen in Nitrites	... less than 0.01
Ammoniacal Nitrogen	... 0.031
Albuminoid Nitrogen	... 0.071
Oxygen Absorbed in 4 hrs. at 27°C.	0.85
Residual Chlorine	... 0.05
Metals	... Iron 0.04
Other Metals	... Absent

BACTERIOLOGICAL RESULTS.

Number of Colonies developing on Agar per c.c. or ml. in—

1 day at 37°C. 0

2 days at 37°C. 1

3 days at 20°C. 1

Presumptive Coliform

Reaction ... Present in —. Absent from 100ml.

Baet. coli ... Present in —. Absent from 100ml.

Cl. Welchii Reaction ... Present in 100. Absent from 10ml.

This sample is clear and bright in appearance, faintly alkaline in reaction and free from metals. The hardness of the water is moderate and it is free from any excess of mineral and saline constituents in solution. It is of satisfactory organic quality and of a high standard of bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

During the year it was necessary to cart 55,150 gallons to premises in areas without a piped supply.

Galleywood Common area	...	...	...	12,400	Gallons
The Chase Gay Bowers Danbury	...	...	...	800	„
“ Titus ” Good Easter	...	...	...	3,150	„
East and West Hanningfield (Southend Road)				23,100	„
Dowsett Lane South Hanningfield			...	3,900	„
Nr. Brook Farm, Stock	...	...	...	4,400	„
Domsey Lane, Little Waltham	...	...	...	7,400	„
				<hr/> 55,150 <hr/>	„

SCHEDULE OF NUMBER OF HOUSES ON 31st DECEMBER, 1949,
NOT CONNECTED TO WATERMAINS AND ALSO HOUSES ON ROUTE,
OF EXTENSIONS PROPOSED

<i>Parish</i>	<i>Not supplied from mains</i>	<i>Not on route of existing mains</i>	<i>On route of main extensions in contract 14, 15, 16 and 17 (in progress)</i>	<i>On route of extensions deferred to be forwarded to Ministry for further consideration</i>	<i>On route of additional extensions approved by the Council</i>
Great Baddow ...	61	18	—	7	—
Little Baddow ...	42	37	—	—	11
Boreham ...	85	44	—	—	21
Broomfield ...	24	19	11	—	—
Chignall ...	42	24	22	—	—
Danbury ...	37	26	9	—	2
Good Easter ...	27	21	10	—	—
East Hanningfield ...	14	9	5	—	—
South Hanningfield	52	49	—	—	—
West Hanningfield ...	64	35	20	—	—
Ingatestone and Fryerning	58	48	—	17	—
Great and Little Leighs	111	50	11	—	—
Margaretting ...	27	12	3	—	—
Mashbury ...	22	12	12	—	—
Mountnessing... ..	90	62	—	—	—
Pleshey ...	46	4	—	—	—
Rettendon ...	2	2	—	—	—
Roxwell ...	101	42	12	3	8
Runwell ...	28	17	—	—	13
Sandon ...	24	21	11	—	—
Springfield ...	39	11	—	—	—
Stoek ...	75	51	16	2	3
Great Waltham ...	180	114	73	—	—
Little Waltham ...	64	34	25	—	—
Woodham Ferrers ...	38	16	10	—	2
Writtle ...	159	58	—	—	—
TOTALS	1,512	836	250	29	60

RIVERS AND STREAMS.

The district is drained by the Chelmer and its tributaries. Pollution from agricultural lands is bound to occur.

DRAINAGE AND SEWERAGE.

Sewers are available in the parishes of Broomfield, Great Baddow, Ingatestone, Mountnessing, Runwell, and Writtle.

The number of houses connected to the sewers :—

<i>Parish</i>	<i>Connected 1949</i>	<i>Total at end of 1949</i>
Great Baddow	1	1,353
Broomfield	1	524
Ingatestone	1	531
Mountnessing	—	142
Runwell	3	168
Writtle	4	653
TOTALS	10	3,371

The Engineer and Surveyor has prepared a number of Village Sewerage Schemes, which have been approved by the Council and now await the sanction of the Ministry of Health.

These Schemes are for the Villages of :—

Roxwell
 Ford End (Great Waltham)
 Ramsden Heath (South Hanningfield)
 Pleshey.

The Great and Little Waltham Sewerage Scheme, which was being prepared by Messrs. Lemon and Blizzard is nearing completion.

During the year 137 yards of rising main, were laid at Southend Road, Great Baddow, and 266 yards of 9 inch was renewed in Station Road, Ingatestone.

HOUSING.

At the end of 1949 the District Council owned 1,396 houses. The numbers for each parish are given on page 31.

During 1949, a further 124 new houses were erected, whilst 136 houses were in the course of erection at December, 1949.

Ninety Temporary Bungalows have been allotted to the District, all of which have been completed and occupied. These Temporary Bungalows are provided by the Government and the District Council is responsible for their maintenance.

In 1946, a number of hutments on Government sites in the District were acquired, and after extensive alterations, a total of 248 huts were adapted for living accommodation and were occupied. In 1947, a further 33 huts were adapted for this purpose. In 1948, another 47 huts were adapted, making a total of 328 huts on 5 separate camp sites.

Since the commencement of the post-war housing programme in 1946, a total of 775 dwellings have been provided, details of which are shown in the table on page 32.

The County Council is the Town Planning Authority. The rural district of Chelmsford is in the area administered by East Central Essex Area Planning Sub-Committee. The District Council deal with applications for permission to develop.

No fewer than 1832 applicants are on the waiting list for Council houses, which shows the lack of housing accommodation throughout the district.

Council Houses.

PARISH	HOUSES ERECTED UNDER						Total
	The Housing Act, 1890	The State-aided Scheme charges being a General Rate limited to 1d. Rate	The Housing Financial Provisions) Act, 1924	The Housing Act, 1925	The Housing Act, 1930	The Housing Act, 1936	
	1	2	3	4	5	6	7
Baddow, Great (s.p.a.)	—	51	57	—	—	121	229
Baddow, Great (o.s.p.a.)	—	12	16	16	—	29	73
Baddow, Little ...	6	—	8	—	—	12	26
Boreham ...	—	—	46	—	6	32	84
Broomfield ...	—	—	40	—	6	33	79
Chignall ...	—	—	8	—	—	2	10
Danbury ...	6	25	4	—	—	29	64
Good Easter ...	—	6	—	—	—	12	18
Hanningfield, East	—	—	12	—	—	12	24
Hanningfield, South	6	—	—	—	—	10	16
Hanningfield, West	—	—	4	—	—	16	20
Ingatestone and Fryerning ...	(a)2	30	32	—	2	54	120
Great and Little Leighs. ...	—	—	16	—	—	9	25
Margaretting ...	—	6	—	—	—	12	18
Mashbury ...	—	—	—	—	—	—	—
Mountnessing ...	—	8	—	—	—	28	36
Pleshey ...	—	—	4	—	—	—	4
Rettendon... ..	—	—	12	—	—	5	17
Roxwell ...	—	—	12	—	—	35	47
Runwell ...	—	—	14	—	—	20	34
Sandon ...	4	4	6	—	—	18	32
Springfield ...	—	—	—	—	—	38	38
Stock ...	—	—	10	4	—	6	20
Waltham, Great (Village area) ...	—	—	20	—	—	22	42
Waltham, Great (Ford End) ...	—	—	12	—	—	17	29
Waltham, Little ...	—	—	6	—	—	8	14
Woodham Ferrers...	—	4	24	—	—	22	50
Writtle (s.p.a.) ...	—	16	102	31(b)	12	44	205
Writtle (o.s.p.a.) ...	—	—	12	—	—	10	22
TOTALS ...	24	162	477	51	26	(c)656	1396

(a) Ingatestone Waterworks Cottages.

(b) Including 12 Cottages the cost of which was borne by the Housing Estates Repairs Fund.

(c) Includes 6 cottages purchased by the Council:—

1 in Great Baddow (s.p.a.).

3 in Galleywood.

2 in Ford End; and

10 Agricultural Cottages:—

West Hanningfield 4.

Writtle 4.

Ford End 2.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED, IN THE COURSE OF ERECTION AND HUTS ACQUIRED FOR LIVING ACCOMMODATION BY THE RURAL DISTRICT COUNCIL DURING 1946-8 AND 1949

PARISH	Permanent Council Houses		In the Course of Erection at Dec. 1949	Temporary Bungalows Completed and Occupied	Government Huts Acquired and Adapted	Private Houses			
	Completed and Occupied during	1946-8				1946	1947	1948	1949
Great Baddow (S.P.A.)	22	8	136	30	—	46	8	2	4
Great Baddow (S.P.A.)	24	—	122	—	—	5	4	—(2)	1
Little Baddow	4	—	—	—	—	1	3	2	3
Boreham	12	2	17	—	80	1	1	4	4
Broomfield	26	2	—	20	—	—	—	—	1
Chignall	—	2	—	—	3	—	1	—	—
Danbury	8	21	2	—	38	2	1	2	3
Good Easter	3	3	2	—	—	—	—	—	—
East Hanningfield	6	—	—	—	—	—	—	—	—
South Hanningfield	10	—	—	—	—	10	6	2(1)	3
West Hanningfield	—	12	—	—	—	1	—	2	—
Ingatstone & Fryerning	22	—	16	20	—	3	1	2	3
Great & Little Leighs	—	9	—	—	106	—	—	2	2
Margaretting	—	—	—	—	—	12	4	—	2
Mashbury	—	—	—	—	—	—	—	—	—
Mountnessing	—	—	11	—	—	1	—	—	—
Pleshey	—	—	15	—	—	1	—	—	—
Rettendon	—	5	—	—	—	3	—	—	—
Roxwell	8	13	—	—	45	—	3	1	2
Runwell	12	8	—	—	—	7	6	—(2)	3(1)
Sandon	8	—	—	—	—	6	4	—(1)	—
Springfield	4	22	—	—	—	—	—	—	—
Stock	6	—	7	—	—	3	2	—	1
Great Waltham	18	17	8	—	—	1	—	1	4
Little Waltham	8	—	—	—	56	1	—	—	1
Woodham Ferrers	4	—	—	—	—	4	4	6	1
Writtle (S.P.A.)	28	—	—	20	—	9	—	6	4
Writtle (O.S.P.A.)	—	—	—	—	—	—	—	—	—
TOTALS	233	124	136	90	328	117	48	30(6)	42(1)

NOTE.—Figures in parenthesis denote war damage rebuilds.

TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, ESTIMATED POPULATION 1949 AND THE NUMBER OF HOUSES AT THE END OF DECEMBER, 1949

PARISH	Area in statute acres (land and inland water)	Census, 1931		Estimated Population at end of 1949	Number of Houses and Hutments at end of 1949
		Popu-lation	Houses		
Baddow, Great	3805	3652	962	6602	*1919
Baddow, Little	2755	751	198	1039	302
Boreham	3802	1078	269	1548	450
Broomfield	1851	1310	433	1903	553
Chignall	2303	350	104	441	128
Daubury	3495	1807	475	2701	785
Good Easter	1988	403	103	427	124
Hanuingfield, East	2519	500	117	424	123
Hanningfield, South	4946	1071	72	1480	430
Hanuingfield, West	3105	521	135	702	204
Ingatestone & Fryerning	4133	2352	620	2580	750
Great & Little Leighs,	4276	886	246	1418	412
Margaretting	2284	638	162	709	206
Mashbury	896	143	41	145	42
Mountnessing	2793	749	438	970	282
Pleshey	1712	272	75	362	105
Rettendon	4045	794	200	1091	317
Roxwell	4782	774	194	1081	314
Runwell	1677	678	190	1294	376
Sandon	2377	618	150	871	253
Sprungfield	1827	388	116	513	149
Stock	3474	976	185	1253	364
Waltham, Great	5776	1941	542	1858	540
Waltham, Little	2840	720	190	1276	371
Woodham Ferrers	4753	1353	391	2274	661
Writtle	8374	3111	831	3578	†1040
TOTALS	86590	27836	7439	38540	11200

* In Great Baddow s.p.a. 1526.

† In Writtle s.p.a. 816.

Transferred from Great Waltham 63 houses (21 to Pleshey and 42 to Little Waltham.

Order confirmed March, 1949.

Hutments taken over by the R.D.C. and included in the above total are:—

Boreham (Boreham Aerodrome)	80
Chignall (Bedells Cross)	3
Great Leighs (Boreham Aerodrome)	106
Roxwell (Boyton Cross Military Camp)	34
(Roxwell Cross Keys Camp)	11
Little Waltham (Boreham Aerodrome)	56
Danbury (Giberacks)	38
TOTAL	328

The following tabular statement gives details of the housing work carried out during the year.

1. <i>Inspection of Dwelling Houses during the year :—</i>	
(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	217
(b) Number of Inspections made for the purpose	1,188
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	46
(b) Number of Inspections made for the purpose	133
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	24
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	104
2. <i>Remedy of Defects during the year without Service of Formal Notices :—</i>	
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	118
3. <i>Action under Statutory Powers during the year :—</i>	
Proceedings under Public Health Acts.	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	27
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
By Owners	38
Proceedings under Sections 11 and 13 of the Housing Act, 1936.	
(1) Number of dwelling-houses in respect of which Demolition Orders were made	19
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders :—	
By Owners	5
(3) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair ...	2

SANITARY INSPECTION OF THE AREA.

Slaughterhouses. These were not in general use during the year.

Knackers Yards. There is one in the District, in the parish of Great Baddow. This is a modern building erected during 1935. It is regularly inspected and no cause for complaint has been necessary.

Smoke Abatement. Further complaint has been made regarding the emission of smoke from a factory in Great Baddow, and negotiations have taken place with the firm to reduce the nuisance.

Camping Sites. During the year, nineteen licencees were in force under Section 269 of the Public Health Act, 1936.

The consent of the Planning Authority was previously obtained by the applicants.

SWIMMING BATHS AND POOLS.

There are two privately owned swimming pools within the District which are open to the public.

Swimming Pool, The Chase, Ingatestone. This swimming pool is owned by The Chase, Ltd.

Sanitary accommodation is provided for both sexes.

May-Phill Roadhouse, Battlesbridge. The swimming pool adjoins the Roadhouse which is situated about 250 yards from the Chelmsford—Southend Road on the bank of the River Crouch.

The size of the pool is 175ft. by 45ft. 6ins., with a depth varying from 3ft. to 8ft. 6ins. and its capacity is 312,000 gallons.

Sanitary accommodation is provided for both sexes.

Water Analysis. Samples of water were taken by the Chief Sanitary Inspector's Department as follows:

New mains...	...	...	25
Other mains	...	...	3
Swimming Pools	..	...	1
Springs	...	...	1
Wells	...	...	7

INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1949.

Nature of Inspection	Total Inspec- tions	Notices Out- stand- ing at end of 1948	Notices Served		Notices		
			Informal	Statutory	Complied with	Cancelled	Out- stand- ing at end of 1949
Infectious Disease Inquiries	37	—	—	—	—	—	—
Infectious Disease Disinfectious	4	—	—	—	—	—	—
Houses Inspected under Public Health or Housing Acts	171	186	77	29	146	29	117
Houses "Carded" under Public Health or Housing Acts	46	—	—	—	—	—	—
Re-inspections under Housing Acts	355	—	—	—	—	—	—
Re-inspections under Public Health Acts	616	—	—	—	—	—	—
*Overcrowding	28	2	1	1	2	1	1
*Dirty Condition of Houses	10	1	2	—	1	1	1
*Other Nuisances in Houses	14	—	—	—	—	—	—
*Water Closets	13	23	9	7	14	—	25
*Privies and Pail Closets ...	9	28	15	4	28	6	13
*House Drainage	282	88	67	10	84	32	49
*Other Drainage	130	—	14	—	11	—	3
*Water Supply	238	80	30	6	63	12	41
Re-inspections for*	259	—	—	—	—	—	—
Urinals	14	1	—	—	1	—	—
Pig-Sties	7	—	1	—	1	—	—
Animals Improperly Kept	11	—	—	—	—	—	—
Rats, Mice and Insect Pests	84	6	2	—	8	—	—
Tents, Vans, Sheds and Similar Structures ...	126	—	1	—	—	—	1
Schools	4	—	2	—	—	—	2
Cowsheds and Dairies ...	150	55	20	—	19	56	—
Milk Retailers' Premises ...	25	—	2	—	2	—	—
Ice Cream Premises	66	2	2	—	3	1	—
Bakehouses	37	2	4	—	5	—	1
Restaurants and Cafes ...	2	—	—	—	—	—	—
Fresh and Fried Fish Shops	28	—	—	—	—	—	—
Slaughterhouses and Butchers' Shops	137	—	—	—	—	—	—
Knacker Yards	21	—	—	—	—	—	—
Other Food Preparation and Food Shops	48	2	—	—	2	—	—
Inspections under the Shops Acts	7	—	2	—	—	—	2
Hairdressing and Barbers' Premises	1	—	—	—	—	—	—
Factories :—							
(a) with Mechanical Power	23	3	2	—	1	—	4
(b) without Mechanical Power	20	—	1	—	1	—	—
Public Cleansing :—							
Dustbins	142	41	8	—	5	1	43
Refuse Dumps	228	—	—	—	—	—	—
Miscellaneous	406	—	—	—	—	—	—
Control of Civil Building ...	35	—	—	—	—	—	—
Miscellaneous	178	5	7	—	9	1	2
TOTALS	4012	525	269	57	406	140	305

The following tables provide statistics of work done as a result of the service of Informal and/or Statutory Notices :—

Adequate ventilation provided to rooms	...	...	...	1
Ashbins provided	...	...	...	4
Brick footings repaired	...	...	...	4
Brick walls repaired or roughest	...	...	...	21
Chimney flues repaired	...	...	...	4
Chimney stacks repaired or re-pointed	...	...	...	16
Ceiling plasters, repaired or renewed	...	...	...	62
Coppers repaired or provided	...	...	...	16
Cupboards repaired	...	...	...	—
Damp-proof courses repaired	...	...	...	—
Dampness remedied other than by d.p.c.	...	...	...	68
Dirty or verminous houses cleansed	...	...	...	1
Door furniture provided	...	...	...	10
Doors repaired or renewed	...	...	...	30
Eavesgutters and downspouts repaired or renewed	...	...	...	29
External wall plaster repaired or renewed	...	...	...	16
Fireplaces, Stoves, repaired or renewed	...	...	...	45
Floors repaired or re-laid	...	...	...	58
Foodstores provided or repaired	...	...	...	7
Handrails provided to staircases	...	...	...	5
Internal wall plaster repaired or renewed	...	...	...	78
Internal walls repaired	...	...	...	8
Lighting of rooms	...	...	...	7
Outbuildings repaired	...	...	...	—
Roofs repaired or renewed	...	...	...	63
Seulleries rebuilt	...	...	...	2
Sinks provided or repaired	...	...	...	29
Sink waste pipes provided or renewed	...	...	...	36
Staircases provided or repaired	...	...	...	12
Washing accommodation provided	...	...	...	2
Washhouses repaired	...	...	...	5
Weatherboarded walls renewed or repaired	...	...	...	12
Window sills repaired or renewed	...	...	...	8
Windows or frames repaired or renewed	...	...	...	64
Windows re-glazed	...	...	...	22
Yards or paths repaired or paved	...	...	...	8
Miscellaneous repairs	...	...	...	47
Cesspools abolished	...	...	...	—
Cesspool covers renewed	...	...	...	3
Cesspool pumps repaired	...	...	...	—
Cesspools cleansed	...	...	...	1

Cesspools provided	...	...	...	...	...	—
Choked drains cleansed	...	...	...	...	...	6
Drainage systems altered or repaired	...	...	...	...	...	14
Drainage cut off from ditches, watercourses, etc.	...	...	...	...	...	29
Foul ditches cleansed	...	...	...	...	...	8
Foul ponds cleansed	...	...	...	...	...	—
Hot water boilers repaired or renewed	...	...	...	...	...	2
Houses connected to the sewer	...	...	...	...	...	1
Inspection covers repaired or renewed	...	...	...	...	...	—
Inspection chambers repaired	...	...	...	...	...	1
Main water supply provided to houses	...	...	...	...	...	43
Overflows from cesspools abolished	...	...	...	...	...	3
Pail closets converted to water closets	...	...	...	...	...	—
Pail closets provided	...	...	...	...	...	1
Pail closet structures repaired or renewed	...	...	...	...	...	19
Pails provided to closets	...	...	...	...	...	1
Privies converted to pail closets	...	...	...	...	...	—
Urinals repaired or provided	...	...	...	...	...	1
Ventilation pipes repaired	...	...	...	...	...	2
Water closets cleansed	...	...	...	...	...	—
Water closet floors repaired	...	...	...	...	...	—
Water closets provided	...	...	...	...	...	—
Water closet flushing apparatus repaired or renewed (provided 2, repaired 2)	...	...	...	...	...	4
Water closet pedestals provided	...	...	...	...	...	6
Water closet structures repaired or renewed	...	...	...	...	...	4
Yard gullies, channels, provided or repaired	...	...	...	...	...	4
Pumps repaired	...	...	...	...	...	2
Water pipes, taps repaired	...	...	...	...	...	5
Water tanks cleansed	...	...	...	...	...	—
Water tanks covers provided	...	...	...	...	...	—
Wells cleansed, repaired or improved	...	...	...	...	...	2
Water supplies improved	...	...	...	...	...	—
Water butts provided	...	...	...	...	...	6
Well covers provided	...	...	...	...	...	—
Approaches to cowsheds or dairies improved	...	...	...	...	...	3
Buildings converted to cowsheds	...	...	...	...	...	2
Cesspools provided	...	...	...	...	...	—
Choked drains cleansed	...	...	...	...	...	—
Cowsheds cleansed	...	...	...	...	...	2
Cowshed floors repaired	...	...	...	...	...	1
Cowsheds reconstructed	...	...	...	...	...	2
Cowshed roofs repaired	...	...	...	...	...	—
Cowshed walls rendered or repaired	...	...	...	...	...	1

Dairies cleansed	...	...	...	...	...	...	1
Dairies scaled off from cowsheds	...	...	...	...	...	...	1
Dairies provided	...	...	...	...	...	...	—
Dairies repaired or improved	...	...	...	...	...	...	4
Dairy entrances repaired	...	...	...	...	...	...	—
Dairy floors repaired	...	...	...	...	...	...	3
Dairy lighting improved	...	...	...	...	...	...	2
Dairy roofs repaired	...	...	...	...	...	...	—
Dairy walls rendered or repaired	...	...	...	...	...	...	1
Dairy equipment provided, cleansed or repaired	...	...	...	...	...	...	4
Drainage to cowshed or dairy improved	...	...	...	...	...	...	7
Improvements to water supply	...	...	...	...	...	...	1
Lighting to cowshed or dairy improved	...	...	...	...	...	...	1
Manure accumulations removed	...	...	...	...	...	...	2
Milking stools cleansed	...	...	...	...	...	...	—
Other improvements to cowsheds or dairies	...	...	...	...	...	...	10
Stall divisions provided or repaired	...	...	...	...	...	...	—
Ventilation to cowsheds or dairies	...	...	...	...	...	...	4
Water supply provided to cowsheds or dairies	...	...	...	...	...	...	3
Miscellaneous work done	...	...	...	...	...	...	11

MILK SUPPLY

Position at 30th September, 1949.

Number of registered cowsheds and dairies	229
Number of dairies used by persons who retail milk from other produceers	19
Number of persons who are registered to retail milk in the District with premises outside the District...	21

Under the Milk (Special Designations) Orders, 1936/46 the following dealers' licencees were issued :—

To sell "Tuberculin Tested" milk	5
To bottle and sell "Tuberculin Tested" milk ...	3
To sell "Tuberculin Tested" milk (supplementary licencee)	3
To sell "Aeeredited" milk	—
To bottle and sell "Aeeredited" milk	2
To sell "Aeeredited" milk (supplementary licencee)	—
To bottle and sell "Pasteurised" milk	3
To sell "Pasteurised" milk	2
To sell "Pasteurised" milk (supplementary licencee)	7

Also one licencee to pasteurise milk was granted during the year.

The following Regulations came into force on the 1st October, 1949.

Milk and Dairies Regulations, 1949.

Milk (Special Designation) (Raw Milk) Regulations, 1949.

Milk (Special Designation) (Pasteurised and Sterilised)

Milk Regulations, 1949.

As from the 1st October, 1949, the Ministry of Agriculture and Fisheries took over the administration of the cowshed and dairy farms from Local Authorities. This Council, however, is still responsible for the registration of milk distributors and it remains for these persons to be re-registered under the new Regulations.

In addition, the preliminary work of getting dealers distributing "Pasteurised," "Sterilised," "Tuberculin Tested" and "Aeeredited" milks licensed under the latter two Regulations has been considerable, but it is hoped that by the beginning of next year licencees will have been issued to all those who require them.

Meat and Other Foods.

Animals are at present slaughtered in slaughterhouses outside the District. Meat exposed for sale or deposited for manufacture in premises within the district is regularly inspected.

The following were condemned as unfit for human consumption :—

3 tin(s) of	Apricot Jam	2	„ „	Rhubarb
13 „ „	Baked Beans	14	„ „	Salmon
14 „ „	Beetroot	2	„ „	Skimmed Milk
3 „ „	Brislings	1	„ „	Sild
20 „ „	Carrots	1	„ „	Spam
3 „ „	Chocolate Spread	2	„ „	Spaghetti
3 „ „	Corned Beef (12 oz.)	5	„ „	Soup
41 „ „	Corned Beef (6lb. size)	1	„ „	Steak
24 „ „	Condensed Milk	1	„ „	Tomato Juice
6 „ „	Danish Pork	10	„ „	Tomatoes
112 „ „	Evaporated Milk	1	„ „	Tomato Spread
3 „ „	Fish Cakes	3	„ „	Veal Loaf
4 „ „	Fulcream Milk	27	„ „	Vegetable Macedoine
1 „ „	Grapes	133 lbs.	Beef	
3 „ „	Grapefruit	7	„	Butter
1 „ „	Grape Juice	50	„	Flaked Barley
3 „ „	Herring Roes	6½	„	Jam
1 „ „	Macaroni Pudding	22½	„	Lamb
1 „ „	Marmalade	107	„	Macaroni
1 „ „	Marrowfat	89	„	Margarine
7 „ „	Meat & Veg. Stew	460	„	Pork
1 „ „	Meat Lunch	95	„	Rice
1 „ „	Mixed Vegetables	159	„	Semolina
7 „ „	Minced Loaf	112	„	Sugar
1 „ „	Mussels	2	bottle(s) of	Certo
5 „ „	Orange Marmalade	2	„ „	Salad Cream
24 „ „	Peas	1	„ „	Sauce
3 „ „	Peaches	12	„ „	Tomato Ketchup
2 „ „	Pilchards	1	jar of	Sandwich Spread
2 „ „	Plums	3½	Stone of	Herrings
2 „ „	Potatoes			

BAKEHOUSES

The following table shows the number of bakehouses in occupation at the end of the year :—

GREAT BADDOW	...	...	Carters (Gt. Baddow) Ltd. L. E. Eade.
BROOMFIELD	...	...	G. H. Follett.
DANBURY	...	...	H. Digby. H. Smith. E. Roast. E. S. Upson.

Bakehouses—(contd.)

GOOD EASTER	...	...	...	J. E. Ruckert.
SOUTH HANNINGFIELD			...	G. Warder.
INGATESTONE AND FRYERNING				E. Warder. S. Raven.
GREAT AND LITTLE LEIGHS...				J. Fleuty.
MARGARETTING	...	...	...	G. O. Raven. J. E. Warder.
RETTENDON	...	...	...	H. and E. Benson. The Country Bakeries, Ltd.
STOCK	...	...	...	A. C. Cottee.
GREAT WALTHAM			...	Bigg Bros.
LITTLE WALTHAM			...	E. W. Amos.
WOODHAM FERRERS			...	Taylor and Woodland.
WRITTLE	...	...	...	A. W. Hance.

ESSEX COUNTY COUNCIL ACT, 1933.**Ice Cream.**

At the end of the year there were 65 registered vendors for sale of ice cream, and one wholesaler-distributor who purchases his supplies from outside the District. There is one manufacturer of ice cream in the District, and although this manufacturer does not carry on a wholesale trade, his premises are of modern design and his equipment fully complies with the requirements of the Ice Cream (Heat Treatment Etc.) Regulations, 1947.

The retailer's source of supply is investigated before certificates are issued.

Section 14 of the Food and Drugs Act, 1938, which deals with the provision concerning ice cream is not in force in the District as the above local Act was already in force.

Ice Cream Sampling.

Seventeen samples were submitted to the Bacteriologist for examination. The samples were placed in the following categories :—

Ministry of Health	Provisional Grade	I	...	13
"	"	II	...	—
"	"	III	...	3
"	"	IV	...	1

MINISTRY OF FOOD MODEL BYELAWS

SERIES 1.

These Model Byelaws has been made to assist local authorities in making byclaws under Section 15 of the Food and Drugs Act, 1938, for securing the observance of sanitary and cleanly conditions and practices in connection with the handling, wrapping and delivery of food sold or intended for sale for human consumption, and in connection with the sale of food or exposure of food for sale in the open air.

A Copy of the Model Byelaws has been circulated to each member of the Council. Although the Council is to submit to the Ministry of Food for approval, draft byelaws, it is not bound in any way to adopt the Ministry's own Model Byelaws.

FOOD POISONING OUTBREAKS.

<i>Total number of outbreaks</i>	<i>Number of cases</i>	<i>Number of deaths</i>	<i>Organisms or other agents responsible, with number of outbreaks attributable to each</i>	<i>Foods involved, with number of outbreaks associated with each food</i>
1	4	Nil	Not Known	Possibly sponge cake filled with home made synthetic cream or creamola dessert

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—INSPECTIONS for the purpose of provisions as to health, including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	80	20	1	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	85	23	2	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	—	—	—	—
TOTAL ...	165	43	3	—

2.—CASES IN WHICH DEFECTS WERE FOUND.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	by H.M. Inspector	
Want of Cleanliness (S.1.)	—	—	—	—	—
Overcrowding (S.2.) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4.) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6.) ...	—	—	—	—	—
Sanitary Conveniences { Insufficient ...	1	—	—	—	—
{ Unsuitable or ...	2	2	—	1	—
{ Defective ...	2	2	—	1	—
{ Not separate for sexes ...	—	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL ...	3	2	—	1	—

OUTWORK

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in unwholesome premises (5)	Notices served (6)	Prosecutions (7)
(1)						
Wearing apparel—Making, etc.	8	—	—	—	—	—
Feather sorting	2	—	—	—	—	—
Total	10	—	—	—	—	—

PUBLIC CLEANSING.

A comprehensive refuse collection scheme was maintained in operation throughout the year. Over ninety per cent. of the houses in the District are included in this scheme.

The difficulty of obtaining and retaining suitable and sufficient workmen still remained acute, and it must again be stressed that until permanent teams of men are built up, difficulties are bound to continue in the working of the regular collection schedules.

Four vehicles were in regular service at the end of the year.

Refuse Disposal.

The controlled dump at Broomfield remained in operation throughout the year. but that in Beehive Lane, Great Baddow, was closed towards the end of the year when the site was taken over by the Eastern Electricity Board. A new dump in Southend Road, Great Baddow, was started immediately. No rents are paid for the dumps in use. Three full-time attendants have been employed on the dumps.

Salvage.

During the autumn the Council decided to discontinue the collection of salvage. This decision was made following the rescinding of the Government Order that Local Authorities' must collect salvage.

The main factors that influenced the Council's decision, which was made reluctantly, were. first, the shortage of labour ; second, the Order prohibiting the burning or destroying of waste paper had been revoked ; and thirdly, prices received for waste paper dropped considerably, whilst collection costs increased.

Since 1940 when the salvage scheme commenced over one thousand, one hundred tons of wastepaper have been collected in the Chelmsford Rural District. In addition, many tons of tins, scrap metals, jars and bottles, textiles, bones, rubber, string and other materials, have been collected and returned to industry. The amount received from the sale of all salvaged items totals £8,500, and the profits have gone towards the relief of the rates.

General.

During the year an extension to the Public Cleansing Depot was commenced. A new double garage, with adjoining foreman's office, store and workshop was built, and the men's mess-room was extended.

NIGHT SOIL COLLECTION.

Night soil collection in the following parishes is carried out by a contractor.

<i>Parish</i>				<i>No. of Houses</i>
Rettendon :				
Battlesbridge	...	...	...	35
Hayes Chase	...	...	...	3
Hoe Lane ...	...	...	...	14
Great Waltham...	...	...	...	75
Little Waltham...	...	...	...	106
Woodham Ferrers	...	...	...	56

PETROLEUM LICENCES IN FORCE DURING 1949

Name of Licensee	Parish	Storage in Gallons
Carters (Great Baddow) Ltd. ...	Great Baddow	500
E.C.C. (Weights & Measures Dept.)	" "	500
Jackson, W.A.	" "	1,800
Marven, D. & Co.	" "	300
National Parcels & Goods Services	" "	500
Road Haulage Executive Unit. H 107	" "	1,000
Shipp, J. H.	" "	1,000
Taylor, W. L. (1)	" "	500
Taylor, W. L. (2)	" "	500
Thomas & Evans Ltd.	" "	500
Waskett, W. A.	" "	1,000
English Timber Supply Co. (Essex) Ltd.	Little Baddow	500
Co-Partnership Farms Ltd. ...	Boreham	500
Essex County Council (Supplies Dept.)	"	500
Graham, J.	"	2,000
Hodgkin & Marshall, Ltd. ...	"	250
Mouser, J. J.	"	500
Seabrook & Sons, W. Ltd. (1) ...	"	300
Seabrook & Sons, W. Ltd. (2) ...	"	300
Day, J.	Broomfield	3,000
Harris, W.	"	300
Stacey, S. C.	"	250
Stubbings, C.	"	500
Stubbings, W. J.	"	300
Ashdown, F. H.	Danbury	1,000
Baxter, G. L. Ltd.	"	500
Christmas, W. T.	"	500
Clark, A.	"	250
Doe, P.	"	500
Tuker, G. E.	"	500
Upson, E. S.	"	1,000
Vale, G.	"	1,300
Wakefield, H.	"	300
Marriage, L.	Good Easter	500
Matthews, Mrs. E. G.	"	500
Matthews, J. A.	"	250
Milbank, E. G.	"	1,000
Ruckert, J. E.	"	200
Speller, E. N.	"	100
Gordon, S.	East Hanningfield	100
Hawes, S. J.	" "	500
Pudney, J. B.	" "	500
Niehorster, J. F.	South Hanningfield	1,000
Watts, E. E.	" "	1,000
Warder, G. W. C.	" "	500
Wallis Bros.	West Hanningfield	300
Carried forward		29,600

Name of Licensee	Parish	Storage in Gallons
	Brought forward ...	29,600
Gaymer, R. C.	Ingatestone	500
Green, T.	"	500
Hasler & Co. Ltd.	"	1,000
Hawkes, J. W.	"	2,200
Moy, T. Ltd.	"	500
Pudney, W. & A.	"	500
Warder, E. N.	"	300
Westle, J. E.	"	1,500
Lagden, H.	Great & Little Leighs	600
Seabrook & Sons, W. Ltd. (1)	" "	300
Seabrook & Sons, W. Ltd. (2)	" "	300
Neild, W. C.	" "	250
Sidgwick, J. E.	" "	400
Matthews, H. A.	" "	500
Wright, J. S.	" "	250
Farrow, C. A. R.	Margaretting	1,500
Leech, N. H.	" "	500
Magness, J. R. & Sons, Ltd.	" "	500
Matthews, R. & Son	Mashbury	250
Cotton, J. R.	Mountnessing	500
Eniffer, F. C.	"	2,300
Kean, G.	"	700
King, A. & Son	"	1,500
Knight, H. G.	Pleshey	300
Bevan, A. W.	Rettendon	500
Bright, W. A.	"	1,000
Broadway, F. W. G.	"	1,000
Cooper, W.	"	1,500
Country Farm Bakeries, Ltd.	"	400
Smith, G. W.	"	500
Day, S.	Roxwell	1,000
Boyton Hall Farms, Ltd.	"	500
Foreman, M.	"	500
Torrance, M.	"	500
Runwell Hospital	Runwell	500
Hunt, W. C.	"	1,000
Barr, J.	Sandon	2,500
Sandon Egg Farms Ltd.	"	500
Eastern Tractors, Ltd.	Springfield	500
Magness, J. R. & Sons, Ltd.	"	300
Hilder, T. M.	Stock	500
Lyster, L. C.	"	250
Sargant, W. H.	"	1,500
Bartrupt, C. & Son	Great Waltham	500
Bartrupt, L.	" "	500
Cass, J.	" "	250
Readhead, H.	" "	1,000
Rogers, F. & Sons	" "	500
Carried forward		64,950

Name of Licensee	Parish	Storage in Gallons
	Brought forward ...	64,950
Rowe, J. O.	" "	200
Seabrook, E.	" "	500
Sterling Poultry Products, Ltd. ...	" "	300
Amos, E. W.	Little Waltham	400
Campen, C. D.	" "	250
Day, A.	" "	1,000
Smith, S. C....	" "	3,500
Poulton, W. W.	" "	500
Cribbs, G.	Woodham Ferrers	1,500
Rush, W. A.	" "	2,000
Slater, R. H.	" "	1,500
Swan, M. G.	" "	250
Adams, W. H.	Writtle	1,000
Bucknell, J. N.	" "	250
Hodge, J.	" "	500
Lowe, A. A.	" "	500
Mallett, E. B.	" "	500
Pudney, W. T.	" "	500
Preston, H. S. H.	" "	2,000
Richardson, J. H.	" "	2,500
Total ...		84,600

Total number of Licences in force in 1944	...	54
" " " " " " " 1945	...	87
" " " " " " " 1946	...	85
" " " " " " " 1947	...	93
" " " " " " " 1948	...	107
" " " " " " " 1949	...	114
Total Storage for 1944	...	40,000
" " " 1945	...	59,500
" " " 1946	...	65,250
" " " 1947	...	71,000
" " " 1948	...	77,900
" " " 1949	...	84,600

Storage of cellulose under licence in respect of two premises was also granted during the year.

RURAL DISTRICT OF CHELMSFORD~

Scale: 3 miles to one inch

AREA:

86,590 acres



